

IN THE CLAIMS

1. (Currently amended) A device comprising:
a network interface for coupling to a network using a first signaling protocol; and
a processor coupled with the network interface, in which the processor is adapted to
receive and analyze a SIP invite message using a second signaling protocol;
convert generate a H.323 request message responsive to the analyzed SIP
invite message received in the second signaling protocol to a message in the first
signaling protocol; and
transmit the generated request message in the first signaling protocol to a
H.323 network gatekeeper.
2. (Currently amended) The device of claim 1, ~~in which~~ wherein
the first signaling protocol comprises H.323 protocol,
the second signaling protocol comprises Session Initiation Protocol (SIP),
the message received in the second signaling protocol comprises a SIP invite message
to initiate communications with a network device associated with the gatekeeper, and
the message in the first signaling protocol comprises an H.323 request message is a
ASN.1 encoded RAS LRQ message.
3. (Currently amended) The device of claim 1, ~~in which~~ wherein
the gatekeeper is preconfigured first signaling protocol comprises SIP,
the second signaling protocol comprises H.323 protocol,
the message received in the second signaling protocol comprises an H.323 request
message to initiate communications with a network device associated with the gatekeeper,
and
the request message in the first signaling protocol comprises a SIP invite message is
transmitted over a UDP socket.
4. (Currently amended) The device of claim 1, in which the processor is further adapted
to:
receive a H.323 response message in the first signaling protocol responsive to the
transmitted request message transmitted in the first signaling protocol to the network
gatekeeper;

decode from the response message a primary network address corresponding to a primary network device associated with the gatekeeper;

convert the response message received in the first signaling protocol to a reply message in the second signaling protocol; and

send ~~[[a]]~~ the reply message in the second signaling protocol to the SIP invite message that contains the primary network address.

5. (Currently amended) The device of claim 4, in which
the ~~SIP invite message~~ received in the second signaling protocol is received from a first device, and
the reply message to the SIP invite message received from the first device is sent to a second device different from the first device.

6 8 (Canceled)

9. (Currently amended) The device of claim 4, in which the processor is further adapted to:
decode from the response message also an alternate network address corresponding to an alternate network device associated with the gatekeeper, and
in which the reply message to the SIP invite message further contains the alternate network address.

10. (Currently amended) A device comprising:
a network interface for coupling to a network; and
a processor coupled with the network interface, in which the processor is adapted to
receive and analyze a H.323 request message;
convert generate a SIP location request message responsive to the analyzed
H.323 request message to a SIP location request message; and
transmit the ~~generated~~ SIP location request message to a SIP gatekeeper.
11. (Currently amended) The device of claim 10, in which
the H.323 request message is ~~[[a]]~~ an Abstract Syntax Notation One (ASN.1) encoded
Registration, Admission, Status (RAS) Location Request (LRQ) message.

12. (Original) The device of claim 10, in which the gatekeeper is preconfigured, and the SIP location request message is transmitted over a User Datagram Protocol (UDP) socket.
13. (Currently amended) The device of claim 10, in which the processor is further adapted to:
receive a SIP response message responsive to the transmitted SIP location request message;
decode from the SIP response message a primary network address corresponding to a primary network device associated with the gatekeeper;
convert the SIP response message to an H.323 reply message; and
send ~~[[a]]~~ the H.323 reply message to the H.323 request message that contains the primary network address.
14. (Currently amended) The device of claim 13, in which the processor is further adapted to:
decode from the SIP response message also an alternate network address corresponding to an alternate network device associated with the gatekeeper, and
in which the H.323 reply message to the H.323 request message further contains the alternate network address.
15. (Currently amended) A device comprising:
means for receiving and analyzing a SIP invite message to initiate communications using a second signaling protocol with a network using a first signaling protocol;
means for converting ~~generating a H.323 request message responsive to the analyzed SIP invite message received in the second signaling protocol to a message in the first signaling protocol;~~ and
means for transmitting the ~~generated request message~~ in the first signaling protocol to a H.323 network gatekeeper.
16. (Currently amended) The device of claim 15, ~~in which~~ wherein
the first signaling protocol comprises H.323 protocol,
the second signaling protocol comprises Session Initiation Protocol (SIP),

the message received in the second signaling protocol comprises a SIP invite message to initiate communications with a network device associated with the gatekeeper, and the message in the first signaling protocol comprises an H.323 request message is a ASN-1 encoded RAS LRQ message.

17. (Currently amended) The device of claim 15, ~~in which~~ wherein
the gatekeeper is preconfigured first signaling protocol comprises SIP,
the second signaling protocol comprises H.323 protocol,
the message received in the second signaling protocol comprises an H.323 request message to initiate communications with a network device associated with the gatekeeper,
and
the request message in the first signaling protocol comprises a SIP invite message is transmitted over a UDP socket.

18. (Currently amended) The device of claim 15, further comprising:
means for receiving a ~~H.323~~ response message in the first signaling protocol
responsive to the transmitted request message transmitted in the first signaling protocol to the network gatekeeper;
means for decoding from the response message a primary network address
corresponding to a primary network device associated with the gatekeeper;
means for converting the response message received in the first signaling protocol to a reply message in the second signaling protocol; and
means for sending ~~[[a]] the reply message to the SIP invite message in the second~~
signaling protocol that contains the primary network address.

19. (Currently amended) The device of claim 18, in which
the SIP invite message received in the second signaling protocol is received from a
first device, and
the reply message to the SIP invite message received from the first device is sent to a
second device different from the first device.

20 - 22 (Canceled)

23. (Currently amended) The device of claim 18, further comprising:
means for decoding from the response message also an alternate network address
corresponding to an alternate network device associated with the gatekeeper, and
in which the reply message ~~to the SIP invite message~~ further contains the alternate
network address.
24. (Currently amended) A device comprising:
means for receiving and analyzing a H.323 request message;
means for converting ~~generating a SIP location request message responsive to the~~
analyzed H.323 request message to a SIP location request message; and
means for transmitting the ~~generated~~ SIP location request message to a SIP
gatekeeper.
25. (Currently amended) The device of claim 24, in which
the H.323 request message is a ASN.1 encoded RAS LRQ message.
26. (Original) The device of claim 24, in which
the gatekeeper is preconfigured, and
the SIP location request message is transmitted over a UDP socket.
27. (Currently amended) The device of claim 24, further comprising:
means for receiving a SIP response message responsive to the transmitted SIP
location request message;
means for decoding from the SIP response message a primary network address
corresponding to a primary network device associated with the gatekeeper;
means for converting the SIP response message to an H.323 reply message; and
means for sending ~~[[a]]~~ the H.323 reply message to the H.323 request message that
contains the primary network address.
28. (Currently amended) The device of claim 27, further comprising:
means for decoding from the SIP response message also an alternate network address
corresponding to an alternate network device associated with the gatekeeper, and
in which the H.323 reply message to the H.323 request message further contains the
alternate network address.

29. (Currently amended) An article comprising: a storage medium, the storage medium having instructions stored thereon, in which when the instructions are executed by at least one device, they result in:

receiving and analyzing a ~~SIP invite~~ message to initiate communications using a second signaling protocol with a network using a first signaling protocol;

~~converting generating a H.323 request message responsive to the analyzed SIP invite message received in the second signaling protocol to a message in the first signaling protocol;~~
and

transmitting the ~~generated request~~ message in the first signaling protocol to a ~~H.323 network~~ gatekeeper.

30. (Currently amended) The article of claim 29, ~~in which~~ wherein

the first signaling protocol comprises H.323 protocol;

the second signaling protocol comprises SIP;

the message received in the second signaling protocol comprises a SIP invite message to initiate communications with a network device associated with the gatekeeper; and
the message in the first signaling protocol comprises an H.323 request message is a ASN.1 encoded RAS LRQ message.

31. (Currently amended) The article of claim 29, ~~in which~~ wherein

the gatekeeper is preconfigured first signaling protocol comprises SIP,

the second signaling protocol comprises H.323 protocol,

the message received in the second signaling protocol comprises an H.323 request message to initiate communications with a network device associated with the gatekeeper,
and

the request message in the first signaling protocol comprises a SIP invite message is
transmitted over a UDP socket.

32. (Currently amended) The article of claim 29, in which the instructions further result in:

receiving a ~~H.323~~ response message in the first signaling protocol responsive to the ~~transmitted request~~ message transmitted in the first signaling protocol to the network gateway;

decoding from the response message a primary network address corresponding to a primary network device associated with the gatekeeper;

converting the response message received in the first signaling protocol to a reply message in the second signaling protocol; and

sending [[a]] the reply message to the SIP invite message in the second signaling protocol that contains the primary network address.

33. (Currently amended) The article of claim 32, in which
the ~~SIP invite message~~ received in the second signaling protocol is received from a first device, and

the reply message to the ~~SIP invite message~~ received from the first device is sent to a second device different from the first device.

34 – 36 (Canceled)

37. (Currently amended) The article of claim 32, in which the instructions further result in:

decoding from the response message also an alternate network address corresponding to an alternate network device associated with the gatekeeper, and

in which the reply message ~~to the SIP invite message~~ further contains the alternate network address.

38. (Currently amended) An article comprising: a storage medium, the storage medium having instructions stored thereon, in which when the instructions are executed by at least one device, they result in:

receiving and analyzing a H.323 request message;

converting generating a SIP location request message responsive to the analyzed H.323 request message to a SIP location request message; and

transmitting the ~~generated~~ SIP location request message to a SIP gatekeeper.

39. (Currently amended) The article of claim 38, in which
the H.323 request message is a ASN.1 encoded RAS LRQ message.

40. (Original) The article of claim 38, in which
the gatekeeper is preconfigured, and
the SIP location request message is transmitted over a UDP socket.
41. (Currently amended) The article of claim 38, in which the instructions further result
in:
receiving a SIP response message responsive to the transmitted SIP location request
message;
decoding from the SIP response message a primary network address corresponding to
a primary network device associated with the gatekeeper;
converting the SIP response message to an H.323 reply message; and
sending ~~[[a]]~~ the H.323 reply message to the H.323 request message that contains the
primary network address.
42. (Currently amended) The article of claim 41, in which the instructions further result
in:
decoding from the SIP response message also an alternate network address
corresponding to an alternate network device associated with the gatekeeper, and
in which the H.323 reply message to the H.323 request message further contains the
alternate network address.
43. (Currently amended) A method comprising:
receiving and analyzing a SIP invite message to initiate communications using a
second signaling protocol with a network using a first signaling protocol;
converting generating a H.323 request message responsive to the analyzed SIP invite
message received in the second signaling protocol to a message in a first signaling protocol;
and
transmitting the generated request message in the first signaling protocol to a H.323
network gatekeeper.
44. (Currently amended) The method of claim 43, ~~in which~~ wherein
the first signaling protocol comprises H.323 protocol,
the second signaling protocol comprises Session Initiation Protocol (SIP).

the message received in the second signaling protocol comprises a SIP invite message to initiate communications with a network device associated with the gatekeeper, and
the message in the first signaling protocol comprises an H.323 request message is a
ASN.1 encoded RAS LRQ message.

45. (Currently amended) The method of claim 43, ~~in which~~ wherein
the gatekeeper is preconfigured first signaling protocol comprises SIP,
the second signaling protocol comprises H.323 protocol,
the message received in the second signaling protocol comprises an H.323 request
message to initiate communications with a network device associated with the gatekeeper,
and
the request message in the first signaling protocol comprises a SIP invite message is
transmitted over a UDP socket.

46. (Currently amended) The method of claim 43, further comprising:
receiving a ~~H.323~~ H.323 response message in the first signaling protocol responsive to the
transmitted request message transmitted in the first signaling protocol to the network
gatekeeper;
decoding from the response message a primary network address corresponding to a
primary network device associated with the gatekeeper;
converting the response message received in the first signaling protocol to a reply
message in the second signaling protocol; and
sending [[a]] the reply message in the second signaling protocol to the SIP invite
message that contains the primary network address.

47. (Currently amended) The method of claim 46, in which
the SIP invite message received in the second signaling protocol is received from a
first device, and
the reply message to the SIP invite message received from the first device is sent to a
second device different from the first device.

48 49 (Canceled)

51. (Currently amended) The method of claim 46, further comprising:
decoding from the response message also an alternate network address corresponding to an alternate network device associated with the gatekeeper, and
in which the reply ~~message to the SIP invite message~~ further contains the alternate network address.
52. (Currently amended) A method comprising:
receiving and analyzing a H.323 request message;
~~converting~~ generating a SIP location request message responsive to the analyzed H.323 request message to a SIP location request message; and
transmitting the generated SIP location request message to a SIP gatekeeper.
53. (Currently amended) The method of claim 52, in which
the H.323 request message is a ASN.1 encoded RAS LRQ message.
54. (Original) The method of claim 52, in which
the gatekeeper is preconfigured, and
the SIP location request message is transmitted over a UDP socket.
55. (Currently amended) The method of claim 52, further comprising:
receiving a SIP response message responsive to the transmitted SIP location request message;
decoding from the SIP response message a primary network address corresponding to a primary network device associated with the gatekeeper;
converting the SIP response message to an H.323 reply message; and
sending ~~[[a]] the H.323 reply message~~ to the H.323 request message that contains the primary network address.
56. (Currently amended) The method of claim 55, further comprising:
decoding from the SIP response message also an alternate network address corresponding to an alternate network device associated with the gatekeeper, and
in which the H.323 reply message to the H.323 request message further contains the alternate network address.